PARTS MANUAL

Model

RGX2900 GENERATOR

PUB-GP6483
Rev. 08/11

Subaru Industrial Power Products
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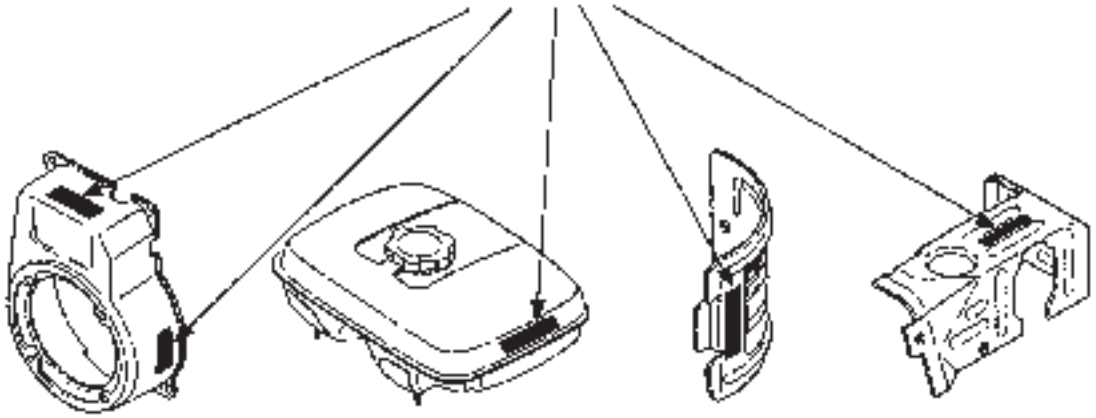
HOW TO USE THIS MANUAL

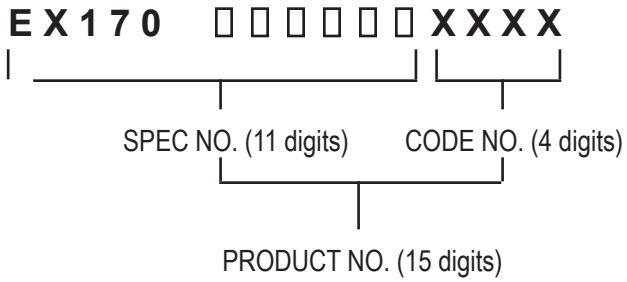
Robin engines are identified by MODEL, SPECIFICATION, and CODE NUMBER. For each model there may be many different versions called specifications. Each specification will be unique in some way. The difference may only be the paint color or it may have a different type of PTO or some other significant difference.

In order the identify the correct service part number, it is important to confirm the specification and code numbers for your engine. The specification and code number together are know as the PRODUCT NUMBER.

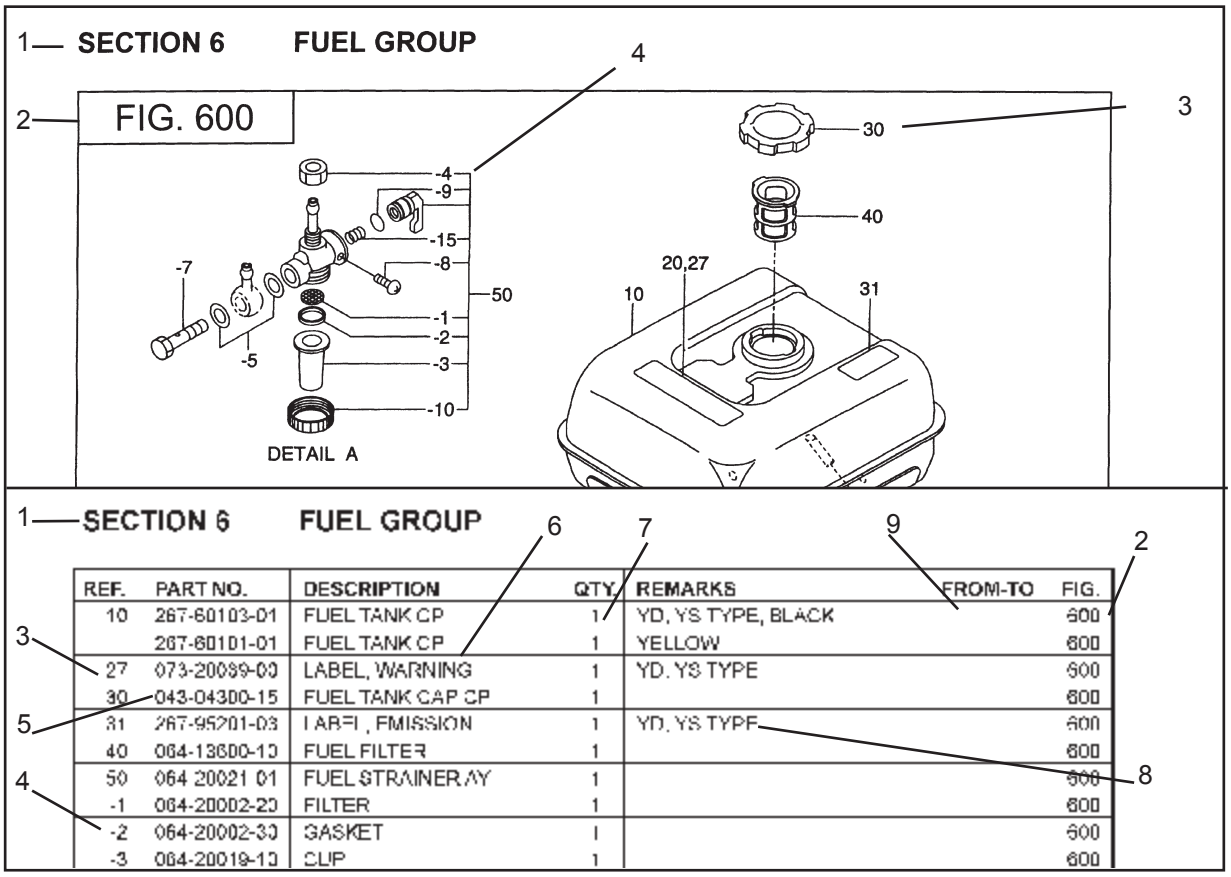
All Robin 4 cycle engines have a Product Number label similar to the label illustrated below.



The Product Number Label has a 15 digit alphanumeric string that consists of the SPECIFICATION (SPEC) number (11 digits) and the CODE number (4 digits). Please note the illustration below:



MANUAL LAYOUT



1 SECTION 6 FUEL GROUP

6 7 9 2

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	267-60103-01	FUEL TANK CP	1	YD, YS TYPE, BLACK		600
	267-60101-01	FUEL TANK CP	1	YELLOW		600
27	073-20089-00	LABEL, WARNING	1	YD. YS TYPE		600
30	043-04300-15	FUEL TANK CAP CP	1			600
31	267-95201-03	LABEL, EMISSION	1	YD. YS TYPE		600
40	064-13600-10	FUEL FILTER	1			600
50	064 20021 01	FUEL STRAINER AY	1			600
-1	064-20002-20	FILTER	1			600
-2	064-20002-30	GASKET	1			600
-3	064-20019-10	CUP	1			600

3 5 4 8

1. SECTION NAME — Parts are broadly classified according to their functions.
Refer to the Group Index (table of contents) for respective section name.

2. FIG. No. — TheFIG.numberindexesthereferenceandpartnumberstotheillustration.Figurenumbers thatvaryonlyinthetensplace(i.e..:700and710)areinagroupofthesamesection (i.e..:Electrical Device Group).

3. REF. No . — The Reference number identifies the part illustration with the corresponding part number in the part list.

4. SUBASSEMBLY — SUBASSEMBLY parts of part assembly are listed below the assembly part. The subassembly part reference number is indicated by the number led by "-" such as "-1", "-2".

5. PART NUMBER — It is the number assigned for sales unit. Use the PART No. when making an order.

6. DESCRIPTION — It is designation of the part.

7. QTY. — Quantity of each part used for each product.

8. REMARKS — This gives a distinctive feature and/or a supplementary comment for the type, the specification, and the part concerned. It also shows part number(s) interchangeable for the part.

9. FROM-TO — This section shows the CODE No. to indicate the history of progress in which improved parts have been introduced in the product. The FROM-TO CODE No. helps to identify PART No. being employed in the product concerned. See the examples below:

-	The part is used in the product irrespective of CODE No.
2101-	The part is used in the products with CODE No. of 2101 and after this number.
- 2100	The part is used in the products with CODE No. of 2100 and before this number.

GROUP INDEX

Group Name	Page
CRANKCASE GROUP	6
CRANKSHAFT GROUP	8
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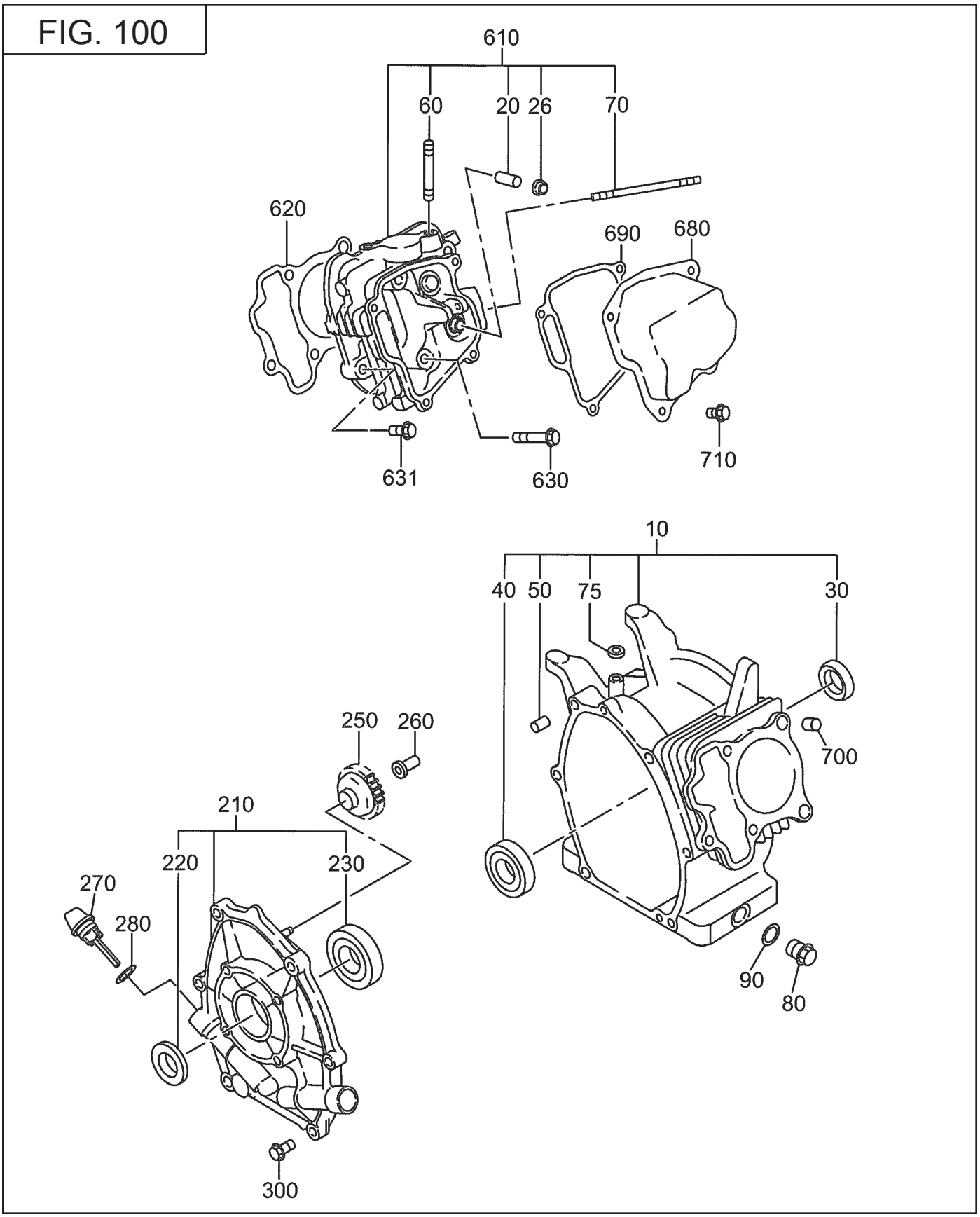
CONTROL GROUP	28

INDEX OF DESCRIPTION SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AY	ASSEMBLY	P=	PITCH (in mm)
CP	COMPLETE	P.T.O. (PTO)	POWER TAKE OFF
EX	EXPORT (from Japan)	REF.	REFERENCE
FIG	FIGURE	R.H. (RH)	RIGHT HAND SIDE
FR.	FRONT	RR.	REAR
"	INCH	STD.	STANDARD
INCL.	INCLUDE	SW	SWITCH
~L	LITER	T=	THICKNESS (in mm)
L=	LENGTH (in. mm)	UN	UNIT
L.H. (LH)	LEFT-HAND SIDE	U.S.	UNDER SIZE
MECH	MECHANICAL	~V	VOLTAGE
NO (NON)	NONE	~W	WATT
OPT.	OPTIONAL	W/	WITH
O.S.	OVER SIZE	W/O	WITHOUT

FIG. 100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270
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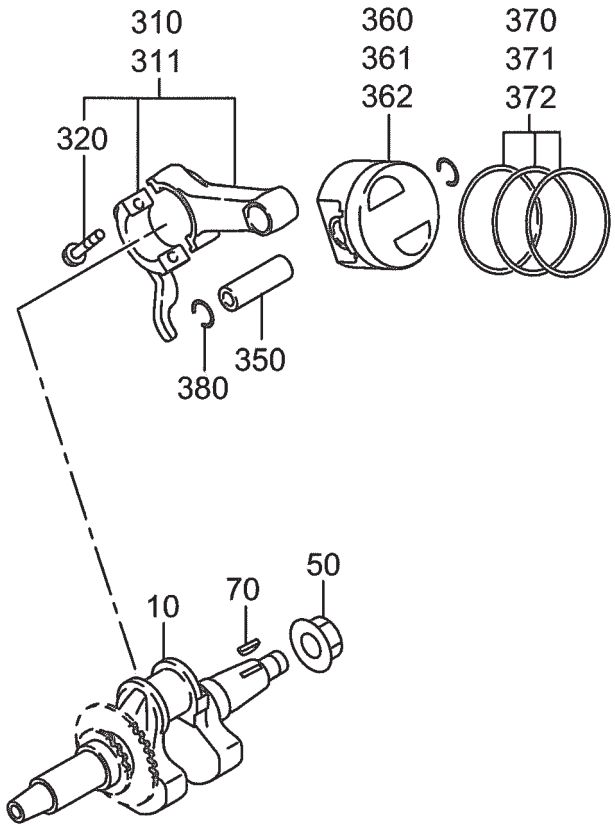
90
80
300

SECTION 1 CRANKCASE GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-10102-41	Crankcase Cp	1			100
20	237-14202-03	Valve Guide	2			100
26	277-16010-01	Stem Seal	1			100
30	044-02502-00	Oil Seal	1			100
40	060-02800-21	Ball Bearing	1			100
50	277-15011-03	Pipe Knock	2			100
60	010-50802-90	Stud	2			100
70	010-50603-51	Stud	2			100
75	044-00600-20	Oil Seal	1			100
80	040-11400-30	Plug	2			100
90	021-11400-20	Gasket	2			100
210	277-11001-31	Main Bearing Cover Cp	1			100
220	044-02502-10	Oil Seal	1			100
230	060-02501-40	Ball Bearing	1			100
250	277-45004-J1	Governor Gear Cp	1			100
260	277-41901-03	Governor Sleeve	1			100
270	277-63601-23	Oil Gauge	2			100
280	021-31600-20	Gasket	2			100
300	001-04083-50	Flange Bolt	6			100
610	277-13002-11	Cylinder Head Cp	1			100
620	277-15001-23	Gasket, head	1			100
630	011-00802-40	Flange Bolt	4			100
631	011-00803-10	Flange Bolt	1			100
680	277-15503-01	Rocker Cover Cp	1			100
690	277-16001-13	Gasket, rocker cover	1			100
700	277-15011-03	Pipe Knock	2			100
710	011-00600-20	Flange Bolt	4			100
960	277-99001-27	Gasket Set	1			100

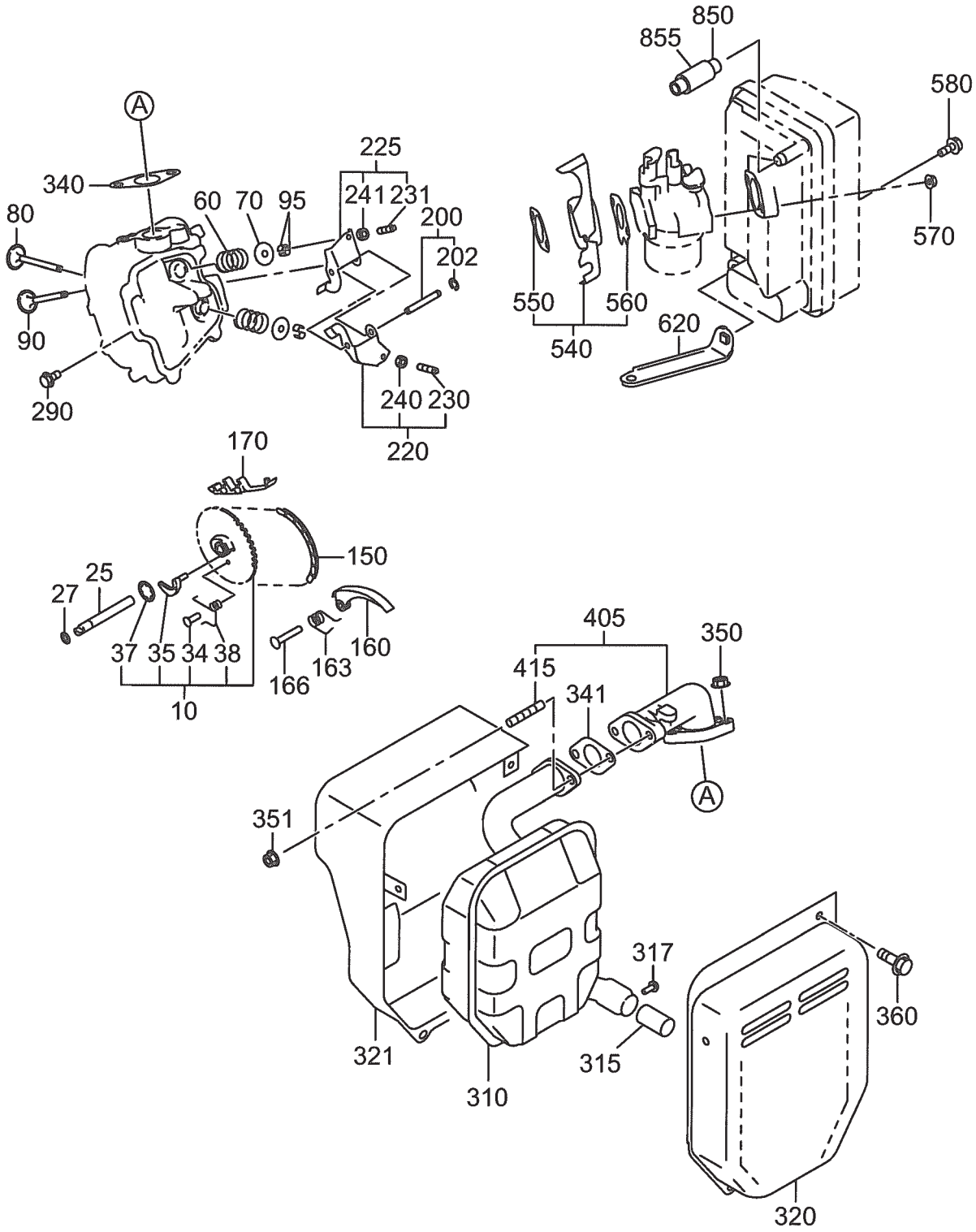
FIG. 200



SECTION 2 CRANKSHAFT GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-20701-21	Crankshaft Cp	1			200
50	018-01400-20	Flange Nut	1			200
70	032-30300-10	Woodruff Key	1			200
310	277-22501-10	Connecting Rod Ay	1	Std		200
311	277-22502-00	Connecting Rod Ay	1	Undersize 0.25mm		200
320	277-23001-03	Connecting Rod Bolt	2			200
350	277-23301-13	Piston Pin	1			200
360	277-23401-J3	Piston	1	Std		200
361	277-23403-J3	Piston	1	Oversize 0.25mm		200
362	277-23404-J3	Piston	1	Oversize 0.50mm		200
370	277-23531-07	Piston Ring Set	1			200
371	277-23532-07	Piston Ring Set	1			200
372	277-23533-07	Piston Ring Set	1			200
380	056-51600-10	Clip	2			200

FIG. 300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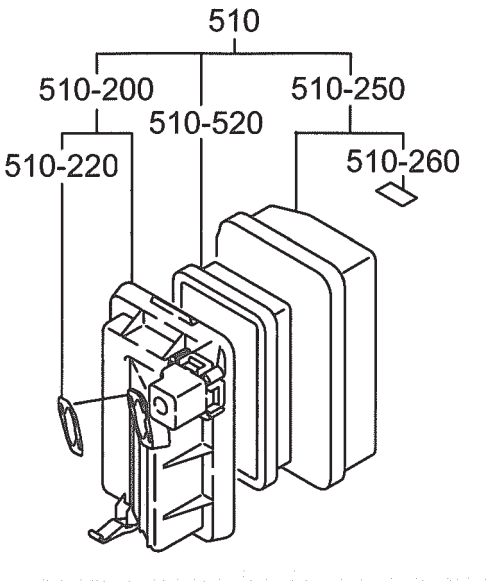
SECTION 3 INTAKE and EXHAUST GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	278-31601-31	Camshaft Cp	1			300
25	277-35101-03	Pin, camshaft	1			300
27	024-00600-10	O ring	1			300
34	277-38601-03	Pin, spring	1			300
35	277-36401-03	Release Lever	1			300
37	277-36501-03	Clip	1			300
38	279-38701-13	Return Spring	1			300
60	279-33601-03	Valve Spring	2			300
70	269-33701-03	Spring Retainer	2			300
80	277-33401-H3	Intake Valve	1			300
90	277-33501-H3	Exhaust Valve	1			300
95	132-10KA0-31	Collet Valve	4			300
150	277-35601-11	Timing Chain Cp	1			300
160	277-36911-03	Tentioner	1			300
163	277-37101-03	Spring, tentioner	1			300
166	277-36902-03	Pin, tentioner	1			300
170	277-36913-13	Chain Guide	1			300
200	277-35002-01	Pin Cp, rocker	1			300
202	003-13050-00	Clip	1			300
220	277-36201-00	Rocker Arm Ay, intake	1			300
225	277-36202-00	Rocker Arm Ay, exhaust	1			300
230	014-90500-20	Adjust Screw	1			300
231	014-90500-20	Adjust Screw	1			300
240	017-00500-30	Nut	1			300
241	017-00500-30	Nut	1			300
290	011-00600-20	Flange Bolt	1			300
310	277-30202-01	Muffler Cp	1			300
315	277-37603-01	Spark Arrester Cp	1			300
317	015-00400-60	Tapping Screw	1			300
320	277-34502-01	Muffler Cover Cp, 1	1			300
321	277-34601-01	Muffler Cover Cp, 2	1			300
340	277-35201-13	Gasket, muffler	1			300
341	277-35201-01	Gasket Cp, exhaust	1			300
350	980-20082-80	Flange Nut	2			300
351	980-20082-80	Flange Nut	2			300
360	011-00600-20	Flange Bolt	3			300
405	277-34001-01	Exhaust Pipe Cp	1			300
415	010-50802-90	Stud	2			300
540	277-32902-J1	Insulator Cp	1			300
550	277-35903-J3	Gasket 2, insulator	1			300
560	277-35902-J3	Gasket 1, insulator	1			300
570	002-38060-00	Flange Nut	2			300
580	011-00600-50	Flange Bolt	1			300
620	277-39001-01	Bracket Cp, a/c	1			300
850	277-32762-08	Breather Pipe	1			300
855	277-69001-03	Sponge Protector	1			300

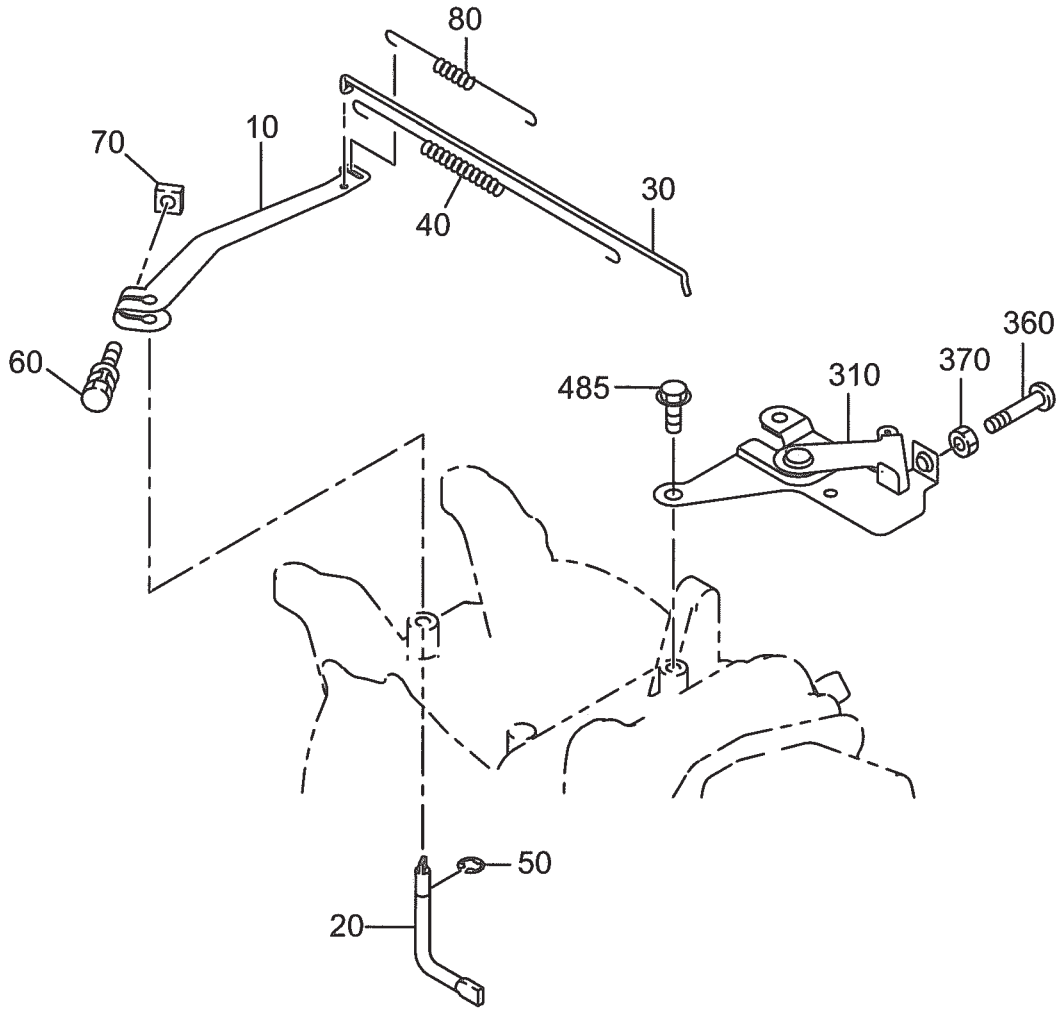
FIG. 315



SECTION 3 INTAKE and EXHAUST GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
510	277-32672-00	Air Cleaner Ay	1			315
-200	277-32637-08	Base Cp	1			315
-220	277-32604-08	Packing	1			315
-250	277-32643-18	Cover Cp	1			315
-260	073-20044-30	Label, choke	1			315
-520	277-32661-17	Element Ay	1			315

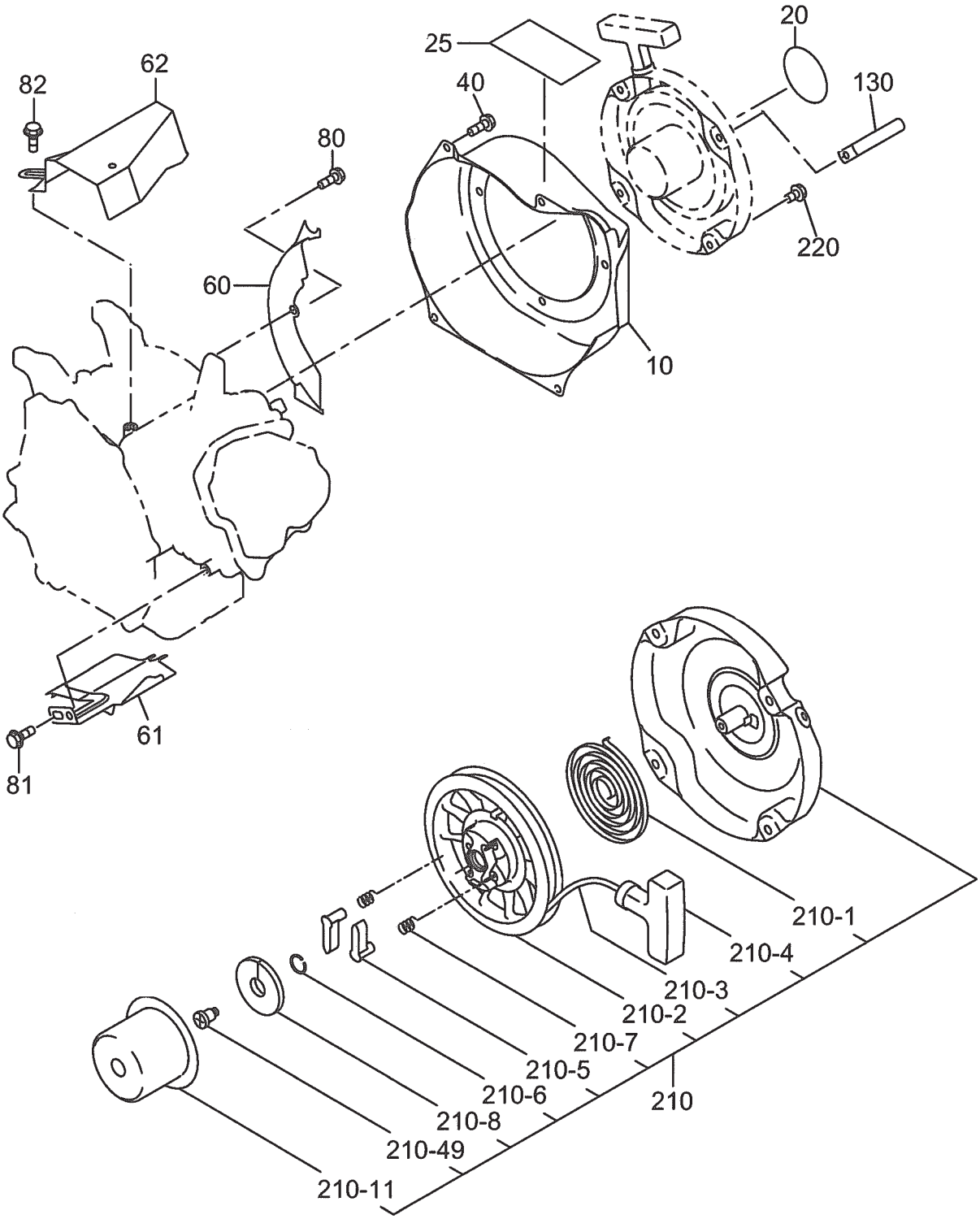
FIG. 400



SECTION 4 GOVERNOR GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-42301-43	Governor Lever	1			400
20	277-42201-33	Governor Shaft	1			400
30	277-42701-11	Governor Rod Cp	1			400
40	277-42801-23	Rod Spring	1			400
50	003-13050-00	Clip	1			400
60	013-00602-40	Bolt and Washer Ay	1			400
70	018-60600-20	Nut	1			400
80	277-42510-13	Governor Spring	1			400
310	277-46501-11	Speed Control Cp	1			400
360	004-31064-00	Screw	1			400
370	002-17060-00	Nut	1			400
485	011-00600-20	Flange Bolt	2			400

FIG. 500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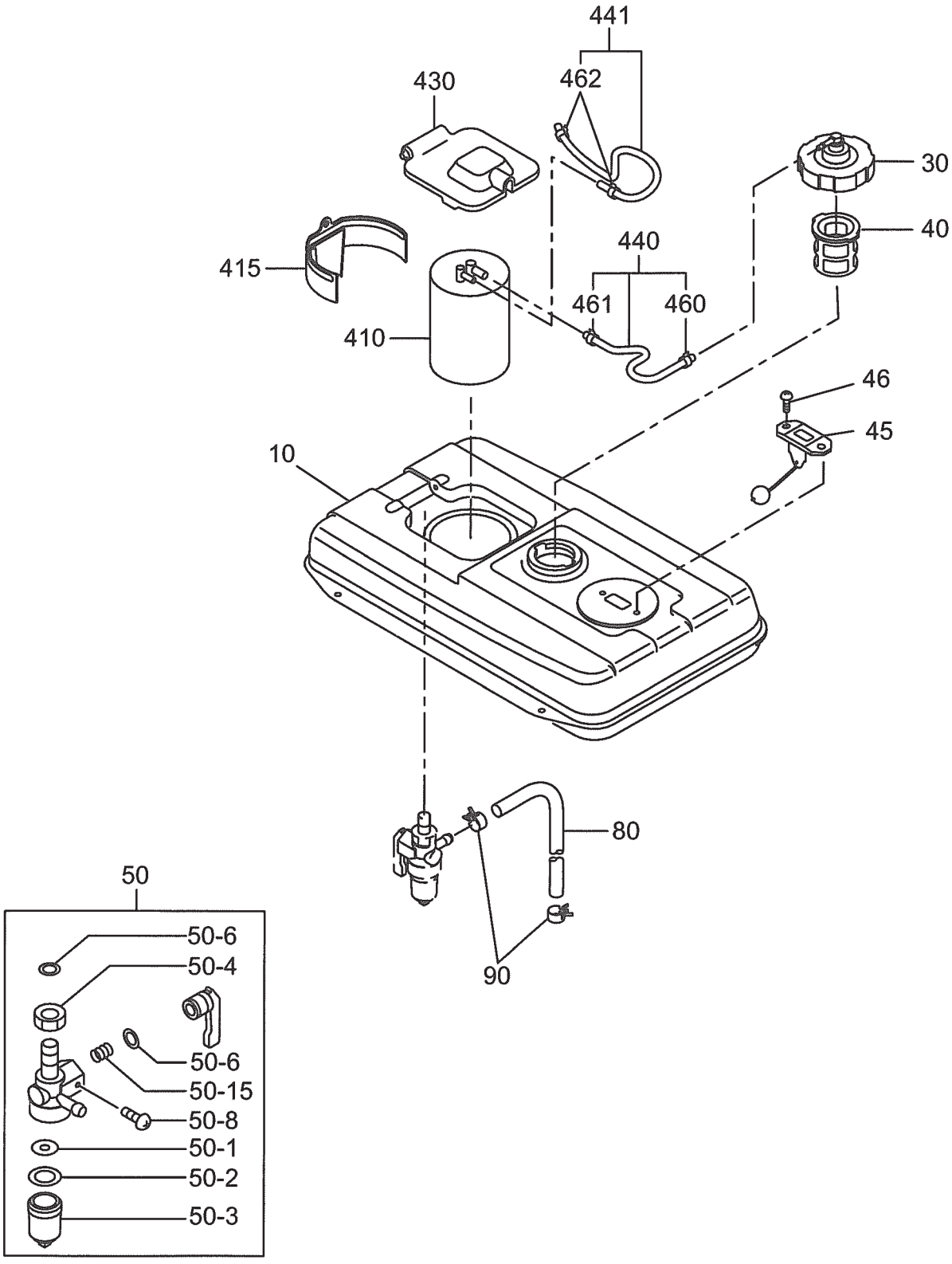
SECTION 5 COOLING and STARTING GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-51226-01	Blower Housing Cp	1			500
20	073-20054-70	Label, trademark	1			500
25	073-20051-81	Label, warning	1			500
40	011-00600-30	Flange Bolt	4			500
60	277-52711-21	Baffle 1 Cp, case	1			500
61	277-52702-03	Baffle 2, head	1			500
62	277-55001-21	Duct Cp, case	1			500
80	001-04061-60	Flange Bolt	1			500
81	011-00600-20	Flange Bolt	1			500
82	011-00600-20	Flange Bolt	3			500
130	056-60002-50	Clamp	1			500
220	011-00600-10	Flange Bolt	4			500
210	269-50201-30	Recoil Starter Ay	1			520
-1	270-50115-08	Spiral Spring	1			520
-2	269-50120-08	Reel	1			520
-3	282-50111-18	Starter Rope	1			520
-4	261-50100-08	Starter Knob	1			520
-5	270-50125-08	Ratchet	2			520
-6	227-50131-08	Friction Spring	1			520
-7	227-50135-08	Return Spring	2			520
-8	270-50261-08	Ratchet Guide	1			520
-11	269-50145-18	Starter Pulley	1			520
-49	227-50152-08	Set Screw	1			520

FIG. 600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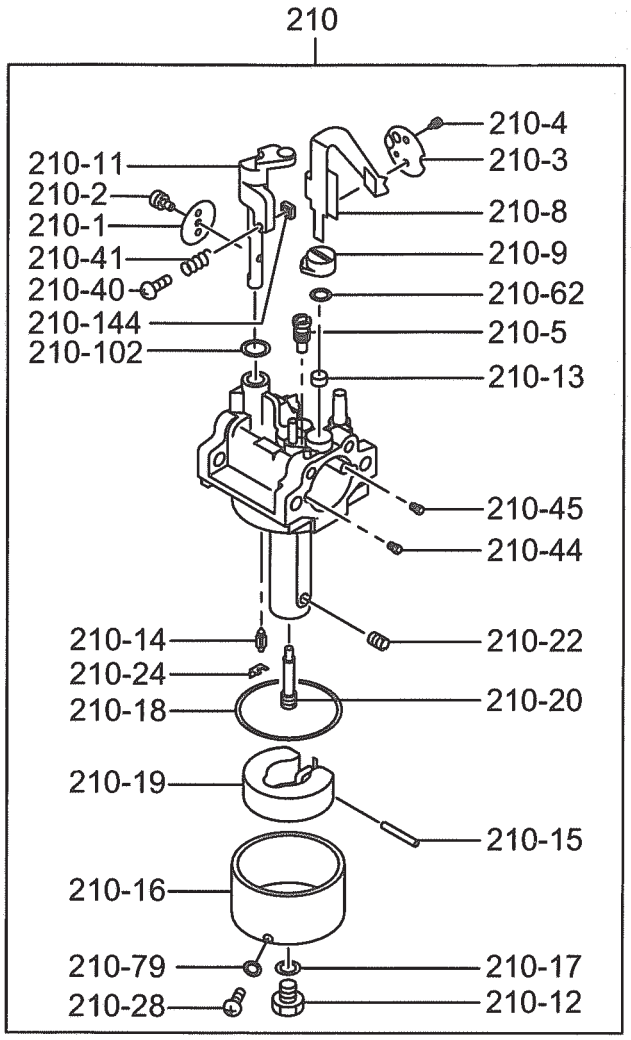
SECTION 6 FUEL, LUBRICATION GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-61107-01	Fuel Tank Cp	1			600
30	043-04301-10	Fuel Tank Cap Ay	1			600
40	X64-13600-10	Fuel Filter	1			600
45	064-80003-00	Fuel Gauge Cp	1			600
46	014-50500-40	Screw, counter head	2			600
80	085-10621-20	Rubber Pipe	1			600
90	056-11000-30	Hose Clamp	2			600
410	420-36TA0-30	Canister	1			600
415	277-69101-01	Bracket Cp, canister	1			600
430	277-69021-03	Cover, canister	1			600
440	277-69651-01	Pipe Cp, cap-canister	1			600
441	277-69602-01	Pipe Cp, clean-canister	1			600
460	056-10800-30	Hose Clamp	1			600
461	056-10900-20	Hose Clamp	1			600
462	056-10800-30	Hose Clamp	2			600
50	064-20100-01	Fuel Strainer Ay	1			630
-1	064-20041-10	Filter	1			630
-2	064-20014-30	Rubber Packing	1			630
-3	064-20014-10	Cup	1			630
-4	064-20100-30	Lock Nut	1			630
-6	064-20003-30	O ring	2			630
-8	064-20027-90	Bolt	1			630
-15	064-20032-30	Spring	1			630

FIG. 640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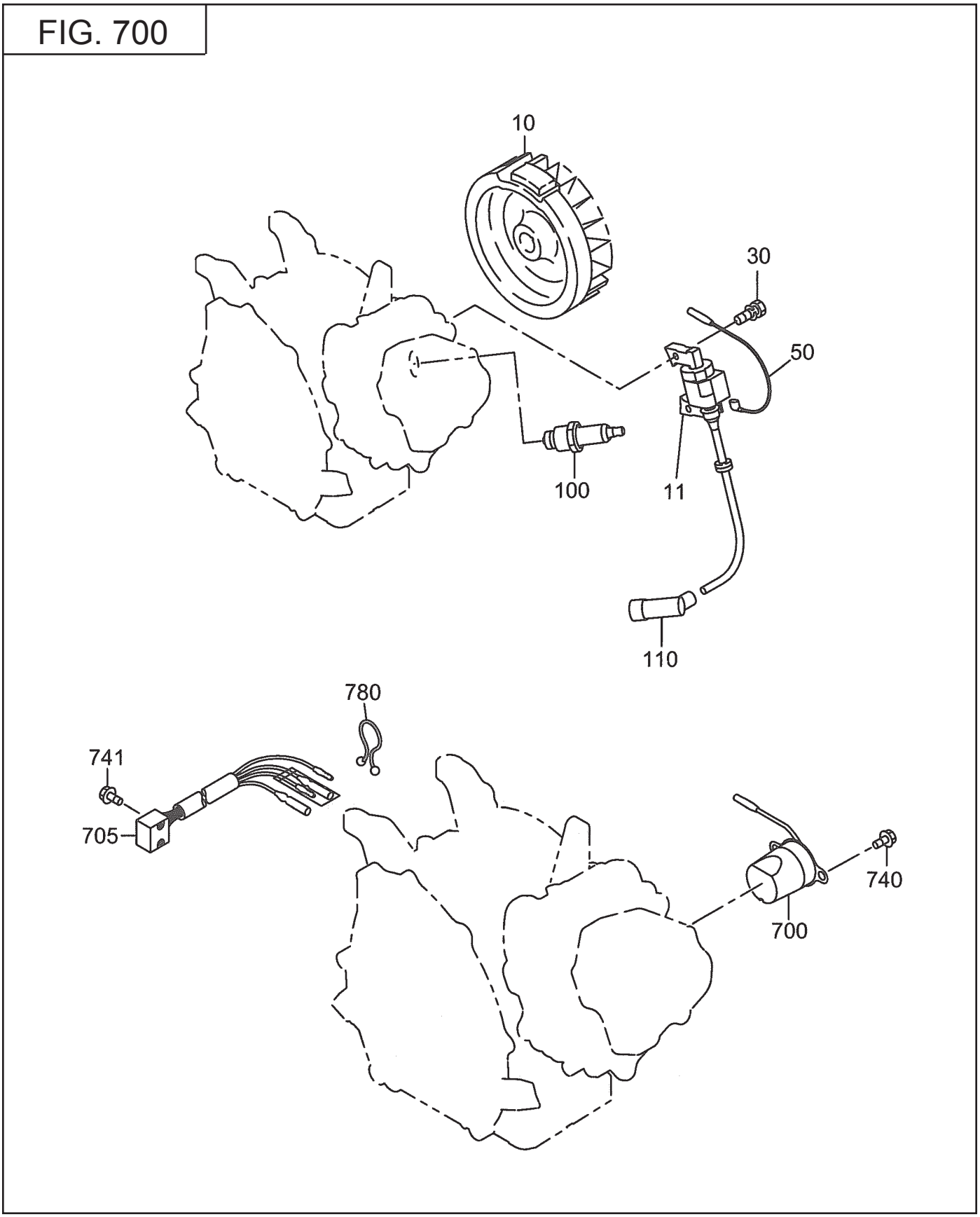
SECTION 6 FUEL, LUBRICATION GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
210	277-62304-40	Carburetor Ay	1			640
-1	277-62535-08	Throttle Valve	1	#160		640
-2	209-62351-08	Screw	1			640
-3	277-62527-08	Choke Valve	1			640
-4	237-62451-08	Screw	2			640
-5	246-62420-08	Pilot Jet	1	#40		640
-8	277-62522-08	Choke Lever	1			640
-9	277-62570-28	Ring	1			640
-11	277-62531-18	Throttle Shaft A	1			640
-12	227-62451-08	Bolt	1			640
-13	277-62571-08	Ring	1			640
-14	277-62500-08	Needle	1			640
-15	277-62515-08	Pin	1			640
-16	277-62506-08	Float Body Ay	1			640
-17	214-62450-08	Packing	1			640
-18	214-62540-08	Chamber Packing	1			640
-19	226-62506-08	Float	1			640
-20	277-62440-08	Main Nozzle	1			640
-22	277-62402-08	Main Jet	1	#81.3		640
-24	226-62701-18	Clip	1			640
-28	277-62360-08	Bolt	1			640
-40	106-62556-08	Screw	1			640
-41	283-62357-08	Spring	1			640
-44	248-62410-08	Air Jet	1			640
-45	106-62410-08	Air Jet, pilot	1			640
-62	236-62680-08	Seal	1			640
-79	236-62541-08	Packing	1			640
-102	246-62390-08	Seal	1			640
-144	277-62553-08	Nut	1			640

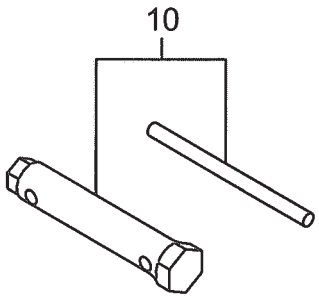
FIG. 700



SECTION 7 ELECTRIC DEVICE GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-79230-11	Flywheel Cp	1			700
11	277-79431-01	Ignition Coil Cp	1			700
30	001-14062-50	Bolt and Washer Ay	2			700
50	277-73102-H1	Wire 2 Cp	1			700
100	065-01401-50	Spark Plug	1			700
110	065-50002-70	Spark Plug Cap	1			700
700	277-76301-21	Oil Sensor Cp	1			700
705	KU3-11070-01	Control Unit	1			700
740	001-14061-60	Bolt and Washer Ay	2			700
741	015-00400-90	Tapping Screw	2			700
780	056-90000-20	Purse Lock	1			700

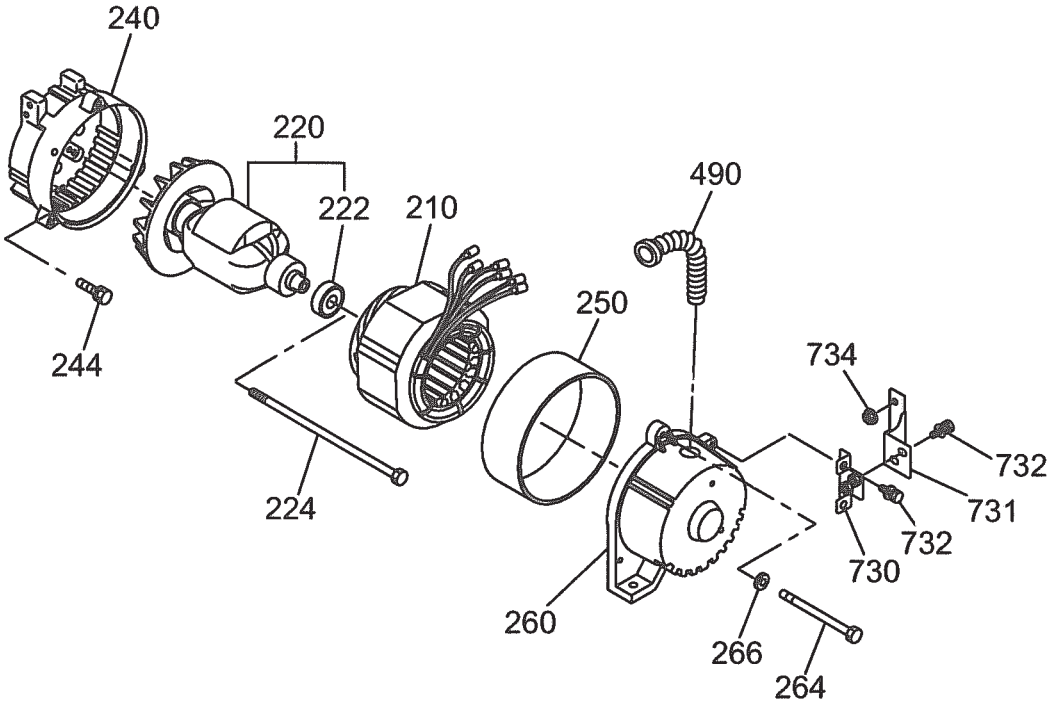
FIG. 900



SECTION 9 ACCESSORY GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-90301-H0	Accessory Tool Kit	1			900

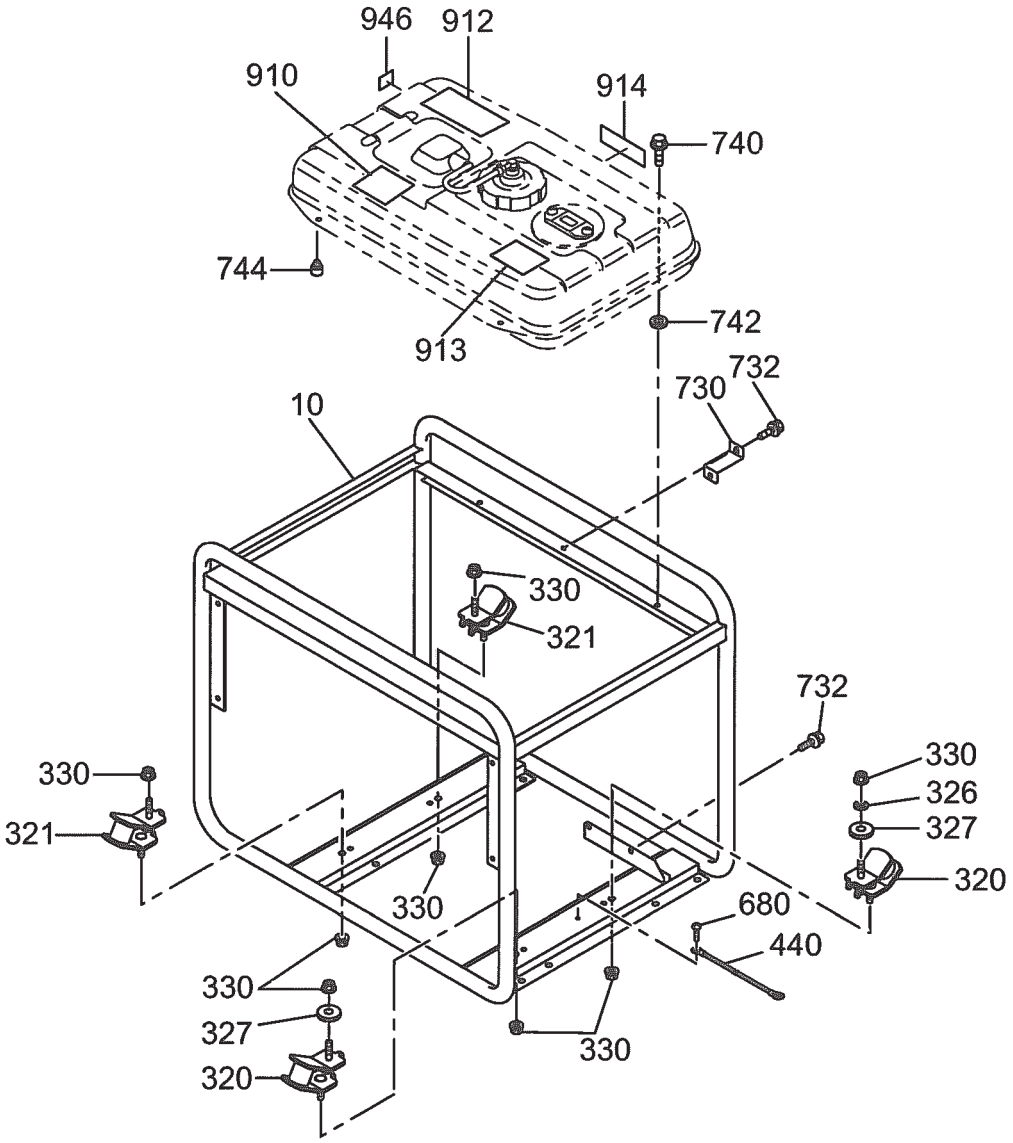
FIG. 2200



SECTION 22 GENERATOR GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
210	35A-51004-01	Stator Cp	1			2200
220	35A-51001-01	Rotor Cp	1			2200
222	353-58208-08	Ball Bearing	1			2200
224	35A-54001-01	Through Bolt	1			2200
240	367-54113-08	Front Cover	1			2200
244	359-59935-08	Bolt and Washer Ay	4			2200
250	31B-51023-01	Stator Cover	1			2200
260	35A-52001-01	Rear Cover	1			2200
264	366-58305-08	Cover Bolt	3			2200
266	003-20060-00	Spring Washer	3			2200
490	353-57506-08	Bushing	1			2200
730	35A-63001-01	Muffler Bracket A	1			2200
731	35A-63002-01	Muffler Bracket B	1			2200
732	359-59935-08	Bolt and Washer Ay	4			2200
734	002-38080-00	Flange Nut	2			2200

FIG. 2300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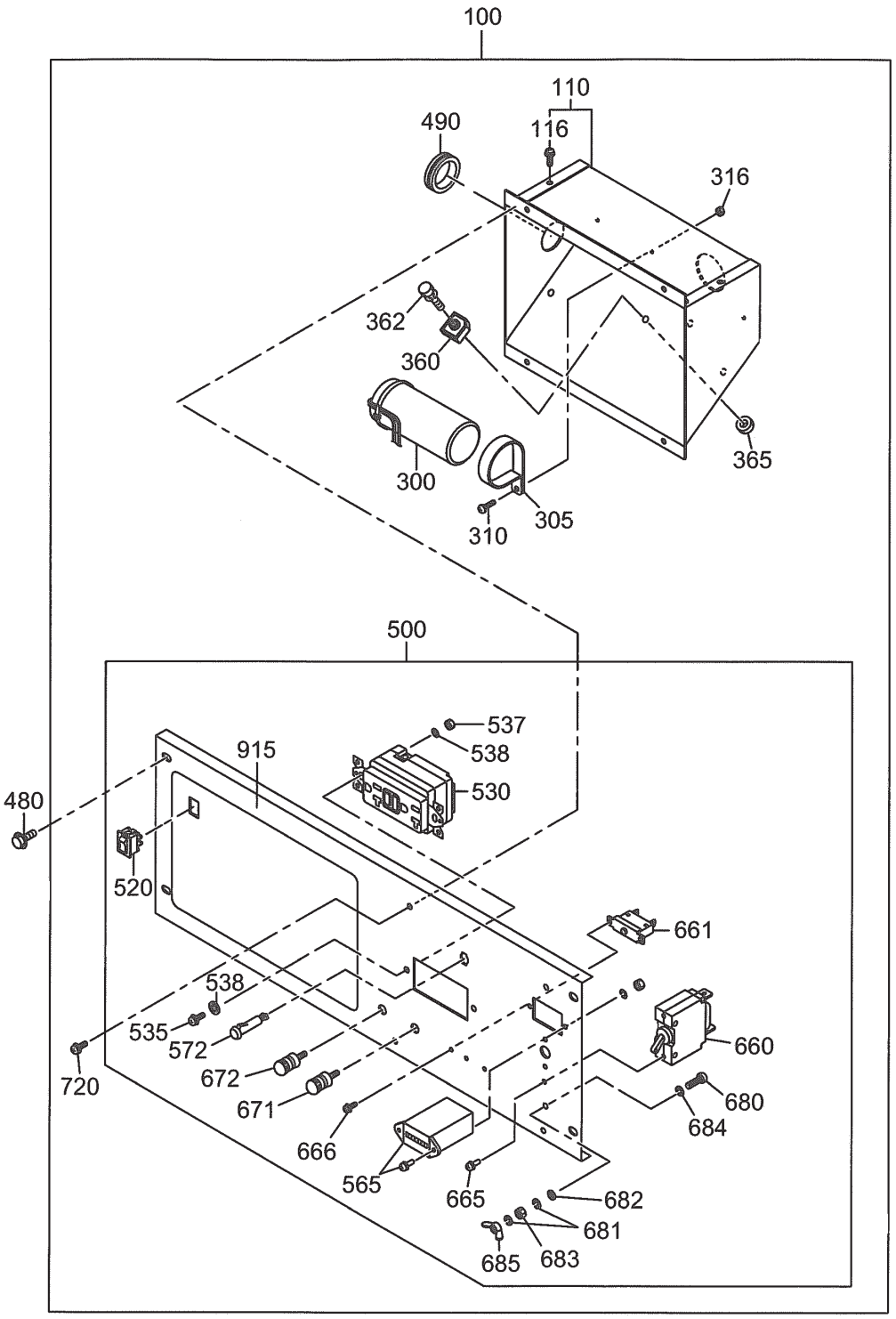
SECTION 23 BASE, FRAME GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	35A-61002-01	Pipe Frame Cp	1			2300
320	31C-65001-01	Rubber Mount Un	2			2300
321	377-37001-11	Rubber Mount Un	2			2300
326	003-10080-00	Washer	1			2300
327	020-00801-40	Washer	2			2300
330	002-38080-00	Flange Nut	8			2300
440	35C-64001-01	Earth Cord	1			2300
680	392-49987-08	Screw	1			2300
730	35A-63003-01	Muffler Bracket	1			2300
732	35A-64001-01	Flange Bolt	6			2300
740	011-00602-20	Flange Bolt	2			2300
742	391-39000-13	Rubber Washer	2			2300
744	35C-62003-01	Rubber Mount	2			2300
910	073-20055-80	Label, co gas	1			2300
912	388-93003-03	Label, caution	1			2300
913	073-20045-10	Label, symbol-tank	1			2300
914	073-20048-60	Label, hot & gas	1			2300
946	073-20050-80	Label, fuel strainer	1			2300

FIG.2400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SECTION 24 CONTROL GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
100	35A-70106-00	Control Box Ay	1			2400
110	35A-71102-02	Control Box Un	1			2400
116	359-59929-08	Screw and Washer Ay	4			2400
300	31E-74000-01	Condenser Cp	1			2400
305	30G-47605-08	Condenser Holder	1			2400
310	390-49972-08	Screw	1			2400
316	002-17040-00	Nut	1			2400
360	353-45804-08	Diode Stack Ay	1			2400
362	004-36042-00	Screw and Washer Ay	1			2400
365	002-17040-00	Nut	1			2400
480	011-00600-80	Flange Bolt	4			2400
490	389-89001-03	Grommet	1			2400
500	35A-70206-00	Panel A Ay	1			2400
520	35A-72002-03	Rocker Switch	1			2400
530	388-85003-01	AC Receptacle	1	125V-20A		2400
535	351-49920-08	Screw and Washer Ay	2			2400
537	002-17040-00	Nut	2			2400
538	003-10040-00	Washer	4			2400
565	393-40651-08	Volt Meter	1	60HZ		2400
572	30G-45308-08	Lamp	1			2400
660	391-43002-03	Circuit Breaker	1			2400
661	352-45620-08	Circuit Protector	1			2400
665	31B-79011-03	Screw and Washer Ay	2			2400
666	351-49921-08	Screw and Washer Ay	2			2400
671	363-45701-08	Terminal Bolt	1	Red 20A		2400
672	363-45700-08	Terminal Bolt	1	Black 20A		2400
680	356-49956-08	Screw	1			2400
681	332-00050-08	Spring Washer	2			2400
682	353-49903-08	Washer	1			2400
683	353-49902-08	Nut	1			2400
684	372-59950-08	Lock Washer	1			2400
685	353-49901-08	Wing Nut	1			2400
720	31B-79012-03	Bolt and Washer Ay	4			2400
915	35A-71208-02	Label, panel	1			2400

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